PL-BRICK HP 3800 730 2X8

PrevaLED BRICK HP | LED modules for industry and outdoor applications



Product family features

- Module efficacy: up to 186 lm/W
- Average lifetime (L80 B10): up to 100,000 h (temperature up to T_C = 85 °C)
- Available with color temperature: 2,200 K, 2,700 K, 3,000 K, 4,000 K, 5,700 K and 6,500 K
- Available with CRI > 70 and CRI > 80
- Initial color consistency: ≤ 5 SDCM
- CE marked, ENEC certified
- Type of protection: IP20

Product family benefits

- High-performance module for outdoor and street lighting
- Dimensions aligned with Zhaga book 15
- Compatible with third party optics, e.g. from LEDIL
- Up to 176 lm/W module efficiency for demanding lighting solutions
- NTC for on-module temperature observation

Areas of application

- Outdoor application
- Street lighting
- Industry
- Highbay lighting
- Area lighting





© 2024, Inventronics GmbH. All rights reserved. Inventronics is a licensee of the OSRAM brand. OSRAM is a trademark of ams OSRAM.

Technical data

Electrical data

Nominal current	0.7 A
Type of current	DC
Nominal voltage	45.0 V
On-mode power	31.90 W
Energy consumption in on-mode	31.9 kWh/1000h

Photometrical data

Luminous efficacy	163 lm/W
Color rendering index Ra	70
Correlated color temperature CCT	3000 K
Colour consistency (McAdam ellipses)	5
Useful luminous flux (Φuse)	5002 lm
Light color LED	White

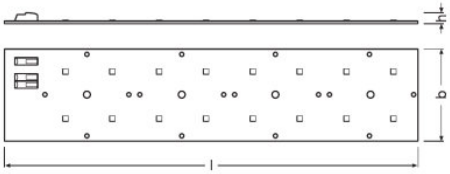
Light technical data

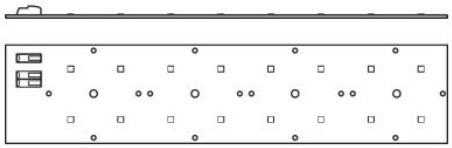
Beam angle	120 °
Starting time	< 0.1 s
Warm-up time (60 %)	< 2.00 s

LED module information

Number of LEDs per module	16

Dimensions & weight





Product weight	50.00 g
Height	8.0 mm
Length	224.0 mm

© 2024, Inventronics GmbH. All rights reserved. Inventronics is a licensee of the OSRAM brand. OSRAM is a trademark of ams OSRAM.

Width	50.0 mm

Temperatures & operating conditions

Temperature range at storage	-30…85 °C
Maximum temperature at tc test point	85 °C
Ambient temperature range	-40…+70 °C
Performance temp. acc. to IEC 62717	55 °C

Lifespan

Number of switching cycles	100000
Lumen maintenance factor LMF	96
L70B50 lifetime	100000 h

Additional product data

Lighting technology used	LED

Certificates & standards

Type of protection	IP20
Standards	CE/ENEC
Energy efficiency class	D

Logistical data

Commodity code	85395100000

Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)	
Date of Declaration	07-11-2022
Primary Article Identifier	4052899576292
Candidate List Substance 1	No declarable substances contained
Declaration No. in SCIP database	No declarable substances contained

Download Data

	File
	Certificates PL BRICK BA BAR CLE VDE ENEC 40045382 210723
	Declarations of conformity PL BRICK DA HP CE 3637355 190623

© 2024, Inventronics GmbH. All rights reserved. Inventronics is a licensee of the OSRAM brand. OSRAM is a trademark of ams OSRAM.

	CAD data PL BRICK HP 3800 CAD DWG 300622
	CAD data PL BRICK HP 3800 CAD STEP 300622
	CAD Data 2-dim PL BRICK HP 2850 CAD 2DIM 300622
	CAD data 3-dim PL BRICK HP 3800 CAD 3DIM 300622

Ecodesign regulation information:

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899576292	PL-BRICK HP 3800 730 2X8	Shipping carton box 120	485 mm x 350 mm x 160 mm	27.16 dm^3	6706.00 g

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.

© 2024, Inventronics GmbH. All rights reserved. Inventronics is a licensee of the OSRAM brand. OSRAM is a trademark of ams OSRAM.